<u> </u>	CONFIDENTIADA 9 103 3 100 100040004-3
April 24, 1959	
Subject: Proposal Modified	for Burroughs High Speed Electrostatic Printer S203 (Whippet II)
Subject: Proposal Modified	for Burroughs High Speed Electrostatic Printer S203 (Whippet II)
In response to you our proposal dated	for Burroughs High Speed Electrostatic Printer S203 (Whippet II) r verbal request for cost data in support of April 15, 1959, attached are three (3) completed price analysis, Form DD 633.
In response to you our proposal dated copies of cost and	(Whippet II) r verbal request for cost data in support of April 15, 1959, attached are three (3) completed
In response to you our proposal dated copies of cost and We trust this info will not hesitate	(Whippet II) r verbal request for cost data in support of April 15, 1959, attached are three (3) completed price analysis, Form DD 633. rmation meets with your approval and that you
In response to you our proposal dated copies of cost and We trust this info will not hesitate mation.	r verbal request for cost data in support of April 15, 1959, attached are three (3) completed price analysis. Form ND 633. rmation meets with your approval and that you to call on us if you require any further infor-
In response to you our proposal dated copies of cost and We trust this info will not hesitate mation. Very truly yours,	r verbal request for cost data in support of April 15, 1959, attached are three (3) completed price analysis. Form ND 633. rmation meets with your approval and that you to call on us if you require any further infor-



DEPARTMENT OF DEFENSE COST AND PRICE ANALYSIS	analysis of costs as s	accounting system does not permit suggested below, contact the purchas- instructions.	1	Form approved. Budget Bureau No. 22-R100.	
NAME OF OFFEROR Burroughs	Corporation		PREVIOUS CONTRAC	T FOR SIMILAR MATERIAL	
HOME-OFFICE ADDRESS 6071. Secon			CONTRACT NO.		
			QUANTITY		
Detroit Division. 60		. Detroit, Michigan	ACTUAL MANU	JFACTURING PERIOD	
SUPPLIES AND/OR SERVICES TO BE FURNISH	Detroit Division, 6071 Second Avenue, Detroit, Michigan			(Exclusive preproduction) FROM TO	
Burroughs High Speed Whippet II		rinter S203			
QUANTITY ONLS	MOUNT OF PROPOSAL 35,300	PROCUREMENT DIRECTIVE NO.	PEAK RATE PER MONTH		
ITEMS (Excluding tooling) •	PREPRODUCTIO	PROPOSED CONTRACT ESTIMAN PRODUCTION	TOTAL	PREVIOUS CONTRACT ACTUAL UNIT COST 41	
1. DIRECT MATERIAL:					
			12,877.97		
URCHASED PARTS b			12,011.91		
SUBCONTRACTED ITEMS b		,		-	
OTHER •		200000000	900000000000000000000000000000000000000	0.0000000000000000000000000000000000000	
2. ENGINEERING LABOR:	`				
HOURS PREPRODUCTION OTH	HER		1,614.45		
3. ENGINEERING BURDEN 71.2 OF	· 2		1,149.49		
4. DIRECT MANUFACTURING LABOR:					
HOURS PREPRODUCTION PRODUCTION 1084			2,926.20		
ANUFACTURING BURDEN 105	OF 4		3,084.46		
6. OTHER DIRECT COSTS: 1					
7 Ass'y Labor - 1052	Hrs.		2,672.00		
s Burden # 201%) b ₂		5,370.00		
9.		'			
10. OTHER INDIRECT COSTS:	4				
11.	:-				
12.					
13.		,			
14. SUBTOTALS			29,694.57		
15. SELLING EXPENSES			-/3-/40/1		
16. GENERAL AND ADMINISTRATIVE EX	XPENSES		2,078.61		
17. SUBTOTALS			31,773.18		
18. PROFIT			3,526.82		
19. ROYALTIES •			35,300.00		
20. CONTINGENCÏES #					
21.					
22. FEDERAL MANUFACTURERS' OR RE	ETAILERS' ,				
23. UNIT SELLING PRICE OR TOTAL CO PRICE EXCLUDING TOOLING					
24. SPECIAL TOOLING COST FROM REVE OF FORM	ERSE SIDE				
25. UNIT SELLING PRICE INCLUDING	S SPECIAL		35,300.00		

ANALYSIS OF TOTAL ESTIMATED	COST	
OF SPECIAL TOOLING	• FOTHWATER COST	a Furnish in space at left separate analysis for total cost of special tooling.
COST ELEMENTS 1. DIRECT MATERIAL:	ESTIMATED COST	b Definitions are shown on DD Form 347 referenced in ASPR paragraph 7-105.7, Bill of Materials. Attach list of principal parts and items
PURCHASED PARTS b		indicating source and unit price. Ordinarily includes (1) basic commodities and raw materials acquired
SUBCONTRACTED ITEMS b		by a contractor in a form or state which requires further processing and (2) other general usage materials which are procured or manufactured for usage in the normal course of contractor's business. Describe
		method of costing (2).
OTHER •		d For research and development and other projects under which it is impracticable to show unit prices, the data should be presented on a total contract price basis.
2. DIRECT MFG. LABOR HOURS		• Furnish patent numbers, names of licensors and rate and basis of
3. BURDEN % OF 2		royalties. Exclude any preproduction or other nonrecurring costs. If previous
4. DIRECT ENG. LABOR HOURS		contract is not completed, use best estimate.
5. BURDEN % OF 4		 Explain fully, attaching list of items and amounts. Selling price must include any applicable excise tax on finished articles.
5. OTHER FACTORS: J		Price is F. O. B. Zorigin or destination. If the latter, indicate
7.		transportation cost \$ Should include, for example; such things as:
3.		"Packaging and Packing," if special to the contract, of significant
). TOTAL ESTIMATED COST		dollar value, or separately accounted for. As alternate procedure, use a supporting schedule.
IO. AVERAGE COST PER UNIT		2. "Material Handling," if separately accounted for.
		prevailing in your plant? SYes \(\subseteq No (If not, explain dif-
of operation required per week? 4a. Explain method of computing any depres		
of operation required per week? 4a. Explain method of computing any depres Toclins - I All other I	ciation charge includ Double Declini Equipment - St	ed in your proposal. ng Nethod raight Line Nethod
of operation required per week? 4a. Explain method of computing any depres Toclins - I All other I	ciation charge includ Double Declini Equipment - St	ed in your proposal.
of operation required per week? 4a. Explain method of computing any depres Tooling - I All other I	ciation charge includ Double Declini Equipment - St	ed in your proposal. ng Nethod raight Line Nethod
b. Have you included any charge for fully of correct Government genery; (III) any rental or use charif such facilities or equipment have been provided	ciation charge includ Cruble Declini Cruipment - St depreciated facilities tting this analysis regists, dies, and othe (II) any depreciating on facilities or equipment of the control	ed in your proposal. ng Nethod raight Line Nethod
b. Have you included any charge for fully of current Government agency; (III) any rental or use char if such facilities (including tools, jor current Government contract or subcontract; Government agency; (III) any rental or use char if such facilities or equipment have been provided (B) The prices shown on this form are based or Government:	Double Declinication charge included Double Declinication in the Interest of the Property of the Interest of Interest of the I	resents that: (A) the prices shown on this form do not include any requipment) which duplicates any charge against any other prior on on facilities or equipment owned by the Government or any uipment owned by the Government or any that the following material, or services, will be furnished by the
b. Have you included any charge for fully of current Government charge or (I) cost of facilities (including tools, jor current Government contract or subcontract; Government agency; (III) any rental or use charif such facilities or equipment have been provided (B) The prices shown on this form are based or Government:	Double Declinication charge included Double Declinication of the Country of the Process of the Process of the Country of the C	or equipment? A Yes \(\text{No} \) (If yes, explain.) or equipment? A Yes \(\text{No} \) (If yes, explain.) or equipment) which duplicates any charge against any other prior on on facilities or equipment owned by the Government or any unipment owned by the Government agency
b. Have you included any charge for fully of charge for (I) cost of facilities (including tools, J or current Government contract or subcontract; Government agency; (III) any rental or use charif such facilities or equipment have been provided (B) The prices shown on this form are based or Government:	Double Declinication charge included Double Declinication of the Country of the Process of the Process of the Country of the C	reight Line listhed or equipment? Yes \(\sum \) No (If yes, explain.) or equipment? Which duplicates any charge against any other prior on on facilities or equipment owned by the Government or any number of the following material, or services, will be furnished by the
of operation required per week? 4a. Explain method of computing any depres **Tooling - I **All other I b. Have you included any charge for fully of the company, Corporation, or Firm submit charge for (I) cost of facilities (including tools, jor current Government contract or subcontract; Government agency; (III) any rental or use charif such facilities or equipment have been provided (B) The prices shown on this form are based or Government:	Double Declinication charge included Double Declinication of the Country of the Process of the Process of the Country of the C	reight Line listhed or equipment? Yes \(\sum \) No (If yes, explain.) or equipment? Which duplicates any charge against any other prior on on facilities or equipment owned by the Government or any number of the following material, or services, will be furnished by the
of operation required per week? 4a. Explain method of computing any depres All other I b. Have you included any charge for fully of the company, Corporation, or Firm submit charge for (I) cost of facilities (including tools, jor current Government contract or subcontract; Government agency; (III) any rental or use charif such facilities or equipment have been provided (B) The prices shown on this form are based or Government:	Double Declinication charge included Double Declinication of the Country of the Process of the Process of the Country of the C	reight Line listhed or equipment? Yes \(\sum \) No (If yes, explain.) or equipment? Which duplicates any charge against any other prior on on facilities or equipment owned by the Government or any number of the following material, or services, will be furnished by the
b. Have you included any charge for fully of current Government charge or (I) cost of facilities (including tools, jor current Government contract or subcontract; Government agency; (III) any rental or use charif such facilities or equipment have been provided (B) The prices shown on this form are based or Government:	Double Declinication charge included Double Declinication of the Country of the Process of the Process of the Country of the C	reight Line listhed or equipment? Yes \(\sum \) No (If yes, explain.) or equipment? Which duplicates any charge against any other prior on on facilities or equipment owned by the Government or any number of the following material, or services, will be furnished by the
5. The Company, Corporation, or Firm submit charge for (I) cost of facilities (including tools, or current Government contract or subcontract; Government agency; (III) any rental or use char if such facilities or equipment have been provided (B) The prices shown on this form are based or Government:	ciation charge includ Couble Declini Couple - St depreciated facilities tting this analysis repiles, dies, and othe (II) any depreciating on facilities or equivalent of the contract of the understanding	reight Line listhed or equipment? Yes \(\sum \) No (If yes, explain.) or equipment? Which duplicates any charge against any other prior on on facilities or equipment owned by the Government or any number of the following material, or services, will be furnished by the
of operation required per week? 4a. Explain method of computing any depret All other I b. Have you included any charge for fully of current Government contract or subcontract; Government agency; (III) any rental or use char if such facilities or equipment have been provided (B) The prices shown on this form are based or Government: Reaction of the process of the proces	ciation charge include Couble Declinical Couble Declinical Coupling of the bidder (company or person (of ion, percentage on selection, percentage or belating thereto as regular to the bidder (company or person (of ion, percentage or belating thereto as regular to the coupling the coupling thereto as regular to the coupling thereto as regular to the coupling	resents that: (A) the prices shown on this form do not include any requipment? Yes \(\begin{align*} \text{No'} (If yes, explain.) \end{align*} or equipment) which duplicates any charge against any other prior on on facilities or equipment owned by the Government or any unpment owned by the Government, or any Government agency that the following material, or services, will be furnished by the Facilities and Tooling AF 33 (038) - 21577 and AF 30(635)-10591 cee for overtime compensation; employed or retained any company or person (other than a full-tractor)) to solicit or secure this contract and (b) that he \(\begin{align*} \begin{align*} \text{Align*} \) has ther than a full-time bona fide employee working solely for rokerage fee, contingent upon or resulting from the award of this quested by the contracting office.
b. Have you included any charge for fully of the prices shown on this form are based or Government: (C) It does not require any Government financial (D) Bases used in computation of burden rates do (E) The bidder (contractor) represents: (a) that impediate the proof of the bidder (contractor) agreed to pay to any corthe bidder (contractor) any fee, commission contract; and agrees to furnish information reconstructs.	depreciated facilities tting this analysis reprises, dies, and othe (II) any depreciating on facilities or earlies, the understanding the understanding include allowan he has, has not, for the bidder (cornpany or person (of ion, percentage or belating thereto as requisition of facilities	resents that: (A) the prices shown on this form do not include any requipment? Yes \(\text{No '(If yes, explain.)} \) The resents that: (A) the prices shown on this form do not include any requipment) which duplicates any charge against any other prior on on facilities or equipment owned by the Government or any muipment owned by the Government, or any Government agency that the following material, or services, will be furnished by the Profilities and Tooling AF 33(038) - 21577 and AF 30(635)-10591 The resentation of the first output of the first of the first output output of the first output of
ta. Explain method of computing any depression. 5. The Company, Corporation, or Firm submit charge for (1) cost of facilities (including tools, jor current Government contract or subcontract; Government agency; (III) any rental or use charifs such facilities or equipment have been provided (B) The prices shown on this form are based or Government: Recurred (C) It does not require any Government financial (D) Bases used in computation of burden rates do (E) The bidder (contractor) represents: (a) that time bona fide employee working solely has not, paid or agreed to pay to any corthe bidder (contractor)) any fee, commission contract; and agrees to furnish information re (F) The prices shown do not include any cost of a ANY EXCEPTIONS TO ITEM 5 SHOULD BE FICERTIFICATION.—This is to certify that the	depreciated facilities tting this analysis reprises, dies, and othe (II) any depreciating on facilities or earlies, dies, and othe (II) any depreciating on facilities or earlies, and the understanding the understanding free of charge; in the understanding free of charge; include allowanthe has, has not, for the bidder (corn pany or person (of ion, percentage or belating thereto as requisition of facilities of the information contact in the contact of	resents that: (A) the prices shown on this form do not include any requipment? Yes \(\text{No '(If yes, explain.)} \) by resents that: (A) the prices shown on this form do not include any requipment) which duplicates any charge against any other prior on on facilities or equipment owned by the Government or any maintenance of the following material, or services, will be furnished by the following material, or services, will be furnished by the following material, or services, will be furnished by the furnished by the following material and following followin
5. The Company, Corporation, or Firm submit charge for (I) cost of facilities (including tools, jor current Government contract or subcontract; Government agency; (III) any rental or use char if such facilities or equipment have been provided (B) The prices shown on this form are based or Government: (C) It does not require any Government financial (D) Bases used in computation of burden rates do (E) The bidder (contractor) represents: (a) that time bona fide employee working solely has not, paid or agreed to pay to any corthebidder (contractor)) any fee, commissicontract; and agrees to furnish information re (F) The prices shown do not include any cost of a ANY EXCEPTIONS TO ITEM 5 SHOULD BE FOR CERTIFICATION.—This is to certify that the from the books and reco	depreciated facilities tting this analysis reprises, dies, and othe (II) any depreciating on facilities or earlies, dies, and othe (II) any depreciating on facilities or earlies, and the understanding the understanding free of charge; in the understanding free of charge; include allowanthe has, has not, for the bidder (corn pany or person (of ion, percentage or belating thereto as requisition of facilities of the information contact in the contact of	resents that: (A) the prices shown on this form do not include any requipment? Yes \(\subseteq \text{No} \) (If yes, explain.) resents that: (A) the prices shown on this form do not include any requipment) which duplicates any charge against any other prior on on facilities or equipment owned by the Government or any unipment owned by the Government, or any Government agency that the following material, or services, will be furnished by the **Pactlities** and Tooling** AF 33 (038) - 21577 and AF 30(635)-10591 **Cee for overtime compensation; employed or retained any company or person (other than a full-intractor) to solicit or secure this contract and (b) that be \(\subseteq \) has her than a full-time bona fide employee working solely for rokerage fee, contingent upon or resulting from the award of this juested by the contracting office. SEPARATE SHEETS.

25X1

25X1

Controller, Detroit Division

COST AND PRICE ANALYSIS		unting system does not permit sted below, contact the purchas- uctions.	Form approve Budget Burea	d. u No. 22–R100.
IAME OF OFFEROR			PREVIOUS CONTRACT	FOR SIMILAR MATERIAL
HOME-OFFICE ADDRESS		<u> </u>	CONTRACT NO.	· · · · · · · · · · · · · · · · · · ·
6071 Second Av			QUANTITY	· · ·
NUMBER OF THE PROPERTY OF THE	PERCOMEN			ACTURING PERIOD preproduction)
Supplies and/or services to be furnished Leh Speed Flo Whitpet II	etrostatic Prin	iter S203	FROM	то .
AMOUNT OF THANK	PROPOSAL 12.	PROCUREMENT DIRECTIVE NO.	PEAK RATE PER MONTH	<u></u>
ITEMS (Excluding tooling) •	PREPRODUCTION	PROPOSED CONTRACT ESTIMATION	E TOTAL	PREVIOUS CONTRACT ACTUAL UNIT COST
. DIRECT MATERIAL:				
URCHASED PARTS b			12,877.97	
SUBCONTRACTED ITEMS b				
OTHER •		*	~	
2. ENGINEERING LABOR:				
HOURS PREPRO- DUCTION PRODUCTION OTHER			1,614.45	
ENGINEERING BURDEN 744 OF 2			1,149.49	
. DIRECT MANUFACTURING LABOR:				
OURS PREPRODUCTION PRODUCTION	4		2,926,20	
NUFACTURING BURDEN 105 du of 4			3,084.46	
OTHER DIRECT COSTS:				
Ass'y Labor - 1052 Hrs.	•	1. S. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	2,672.00	
Burden - 2015.	**		5,370.00	/
9.				
IO, OTHER INDIRECT COSTS: I		,		
n. · · · ·				·
12.				
13.	1			
4. SUBTOTALS			29,694.57	
5. SELLING EXPENSES				
16. GENERAL AND ADMINISTRATIVE EXPENSES			2,078.61	
7. SUBTOTALS			31,773.18 3,526.82	
8. PROFIT	i.		35,300,00	
9. ROYALTIES •				
0. CONTINGENCIES #			: 1.1	
2. FEDERAL MANUFACTURERS' OR RETAILERS'	· · ·			
EXCISE TAX b				· .
3. UNIT SELLING PRICE OR TOTAL CONTRACT PRICE EXCLUDING TOOLING 4: SPECIAL TOOLING COST FROM REVERSE SIDE				
OF FORM 5. UNIT SELLING PRICE INCLUDING SPECIAL TOOLING 1			35,300.00	
· TOOLING!	1	1	JD∌JUU€UU	

25X1

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ANALYSIS OF TOTAL ESTIMATED COST		FOOTNOTES		
OF SPECIAL TOOLING COST ELEMENTS	ESTIMATED COST	 Furnish in space at left separate analysis for total cost of special tooling. 		
1. DIRECT MATERIAL:	25.1120 0001	b Definitions are shown on DD Form 347 referenced in ASPR paragraph 7-105.7, Bill of Materials. Attach list of principal parts and items		
-		indicating source and unit price.		
PURCHASED PARTS b SUBCONTRACTED ITEMS b		o Ordinarily includes (1), basic commodities and raw materials acquired by a contractor in a form or state which requires further processing and (2) other general usage materials which are procured or manufactured for usage in the normal course of contractor's business. Describe		
		method of costing (2).		
2. DIRECT MFG, LABOR HOURS		d For research and development and other projects under which it is impracticable to show unit prices, the data should be presented on a total contract price basis.		
		 Furnish patent numbers, names of licensors and rate and basis of royalties. 		
3. BURDEN % OF 2 4. DIRECT ENG. LABOR HOURS		! Exclude any preproduction or other nonrecurring costs. If previous contract is not completed, use best estimate.		
5. BURDEN % OF 4	,	Explain fully, attaching list of items and amounts.		
		h Selling price must include any applicable excise tax on finished articles.		
6. OTHER FACTORS; I		Price is F. O. B. origin or destination. If the latter, indicate transportation cost \$		
7.		i Should include, for example, such things as:		
8.	ļ	"Packaging and Packing," if special to the contract, of significant dollar value, or separately accounted for. As alternate procedure, use a supporting schedule.		
9. TOTAL ESTIMATED COST		2. "Material Handling," if separately accounted for.		
10. AVERAGE COST PER UNIT		le S		
 Is the estimate for direct labor based of ference on a separate sheet.) What monthly rate of production is coperation required per week? If currently producing the same or similar to the sam	ontemplated in calcula	ating your price proposal? units. How many hours of		
of operation required per week?	ž	* .		
	- Double Declin	aing Nothed Straight Line Nothed		
nsa yun	The state of the s	saretillar miss round		
b. Have you included any charge for full	y depreciated facilities	or equipment? 📕 Yes 🗆 No (If yes, explain.)		
	·. :	7 5		
charge for (I) cost of facilities (including tools or current Government contract or subcontrac Government agency; (III) any rental or use clif such facilities or equipment have been provid (B) The prices shown on this form are based	s, jigs, dies, and othe ct; (II) any depreciati harge on facilities or ec led free of charge;	presents that: (A) the prices shown on this form do not include any or equipment) which duplicates any charge against any other prior on on facilities or equipment owned by the Government or any quipment owned by the Government, or any Government agency that the following material, or services, will be furnished by the		
Government:	You was of Family	lities and Tooling under		
		21577 and AF 30(635)-10591		
•		· •		
time bona fide employee working sole. has not, paid or agreed to pay to any	do include allowar at he has, has not, by for the bidder (con company or person (ot	employed or retained any company or person (other than a full- ntractor)) to solicit or secure this contract and (b) that he \(\backslash has ther than a full-time bona fide employee working solely for		
the bidder (contractor)) any fee, comm contract; and agrees to furnish information	ission, percentage or b n relating thereto as rec	rokerage fee, contingent upon or resulting from the award of this quested by the contracting office.		
(F) The prices shown do not include any cost of	-			
ANY EXCEPTIONS TO ITEM 5 SHOULD BE		ontained in this proposal has been based upon or compiled		
from the books and re	FIRM FIRM	best of my knowledge and belief.		
Marka 449 ±727				
Controller Detroit Division	BY (Signature of offi			

Sanitized Copy Approved for Release 2011/09/19 : CIA-RDP78-03424A001100040004-3

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Page 1 of 2 25> March 20, 1959

TECHNICAL OUTLINE

TAPE PRINTER

CHARACTERISTICS

This equipment shall be rack-mounted and have the following physical characteristics:

Dimensions - 10 1/2 inches high, 27 1/2 inches wide (except for 29 inch panel) by 28 inches deep;

Volume -

1.9 cubic feet,

Weight -

45-60 pounds.

The operating characteristics shall be as follows:

Tape Width - 7/8 inch

Tape Speed - 16 inches per second (approximate)

Input - Serial 5-bit teletype code

Word Rate - 1600 words per minute.

Description: The elements required for the printing of the tape, namely, tape supply reel, printing head, inker, heater, and the pressure rollers will be mounted on the face of the front panel. The use of a standard size paper tape roll (8 inch diameter) establishes the use of a standard panel size of 10 1/2 inches. In order to meet the requirements for a starting

Page 2 of 2

(acceleration) time of 10 milliseconds, several "dancer" roller loops will be used; it is felt that sufficient acceleration of the paper supply reel can be achieved for an ultimate tape speed of 16 inches per second without resorting to servo-drive techniques. The electronic portion of the printer will be sub-divided into pluggable modular packages.

Essentially the same logical functions will be found in the tape printer as in the half-page printer except for one major difference. The character configuration information which is stored in the 5 x 7 encoder matrix is read out by appropriate timing signals, one column at a time, for a total of 5 columns (each column is comprised of 7 parallel outputs). This system is required since the character is generated by the print head on moving tape where the print head consists of 7 in-line electrodes. This simple print head construction obviates the need for much of the high voltage pulse circuitry required by the half-page printer.